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PATENT & TRADEMARK OFFICE

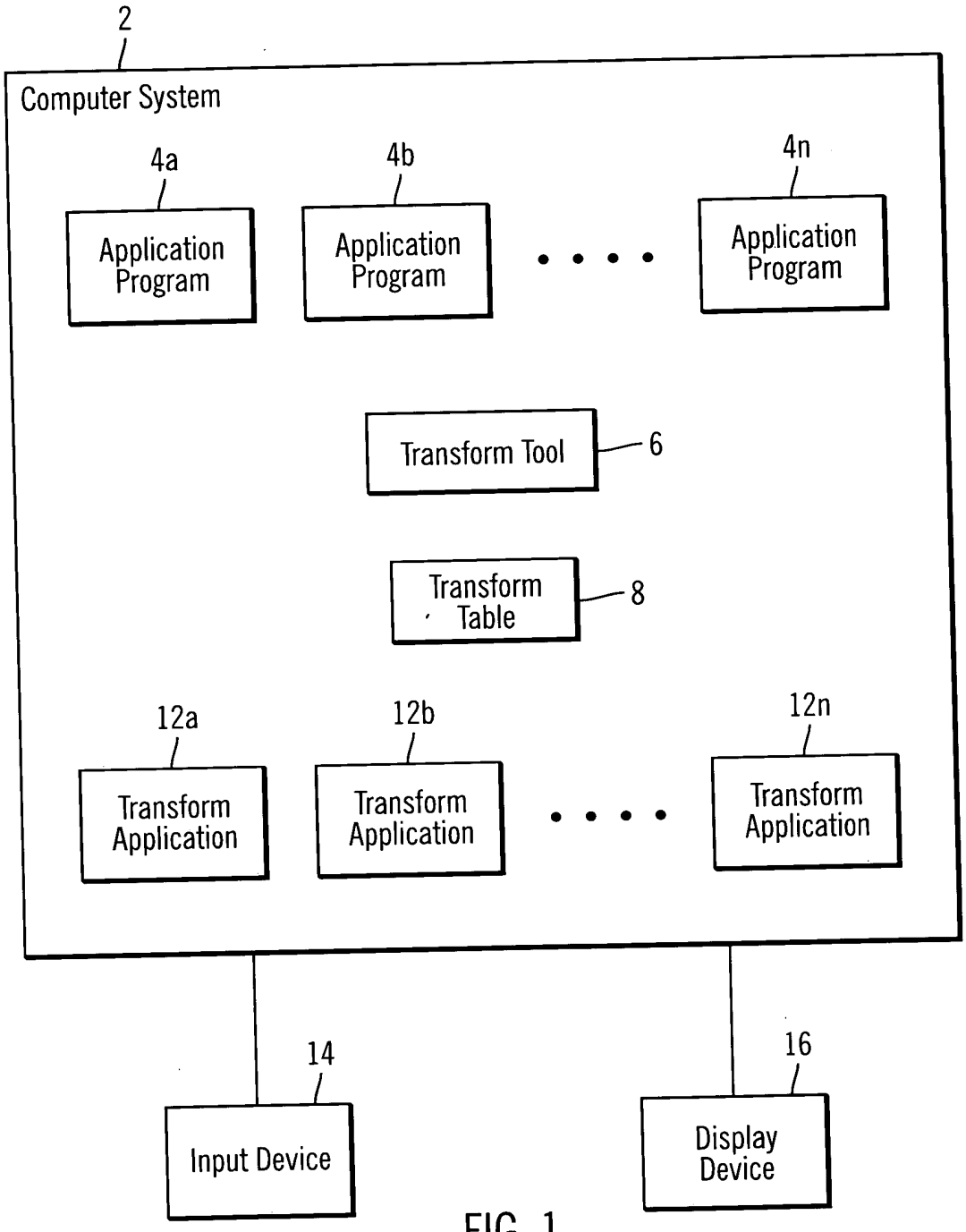

FIG. 1

8

From\To	Format 1	Format 2	Format 3	Format 4
Format 1		c:\..\app2-1.exe		e:\..\app1-4.exe
Format 2	c:\..\app2-1.exe		c:\..\app2-3.exe	
Format 3				g:\..\app4-3.exe
Format 4	c:\..\app4-1.exe		h:\..\app4-3.exe	

Transform Table

FIG. 2

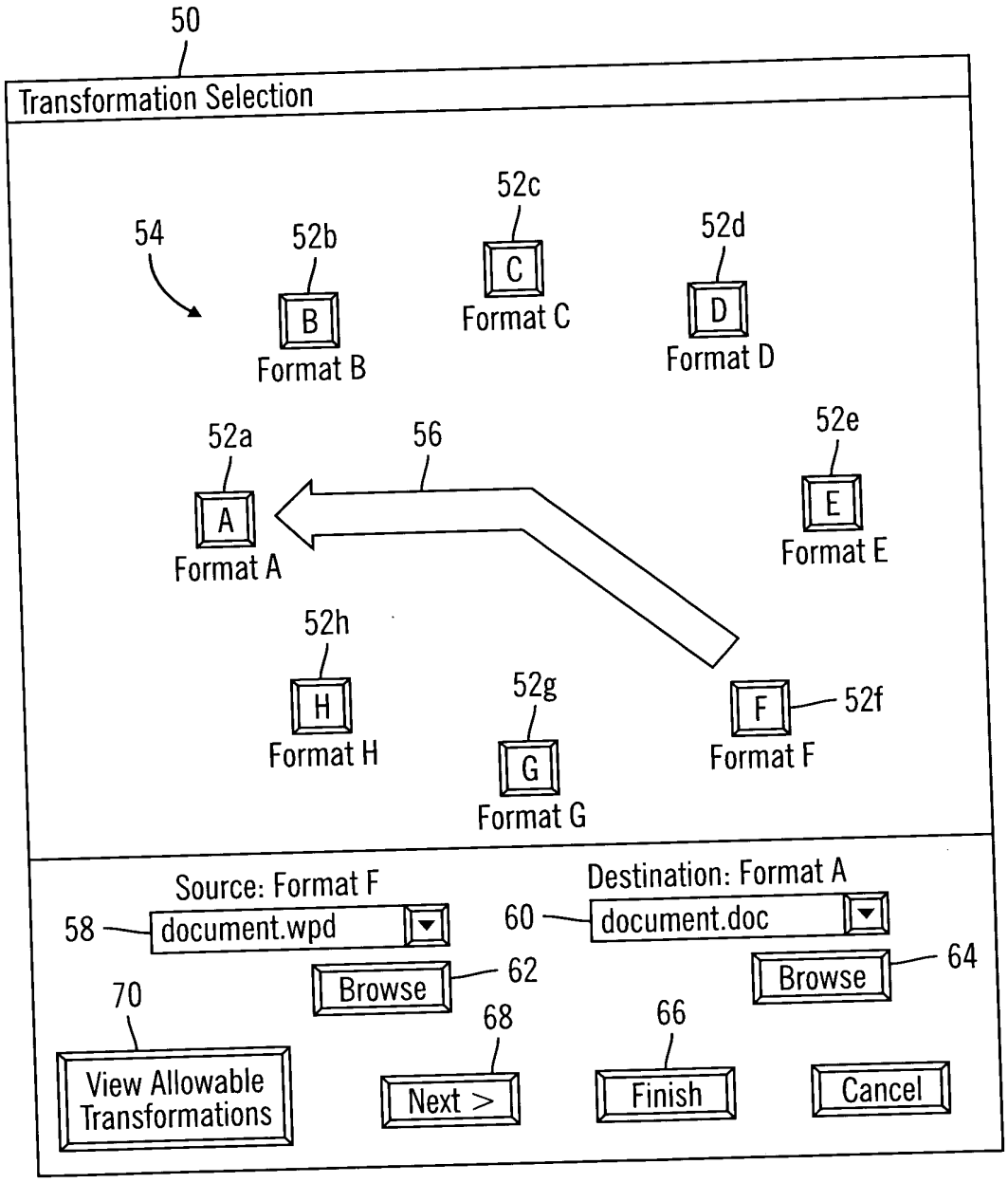
50
Transformation Selection
54
52b
B
Format B
52c
C
Format C
52d
D
Format D
52a
A
Format A
56
52e
E
Format E
52h
H
Format H
52g
G
Format G
F
52f
Format F
Source: Format F
58
document.wpd
Browse
62
70
View Allowable Transformations
68
Next >
Destination: Format A
60
document.doc
Browse
64
66
Finish
Cancel

FIG. 3

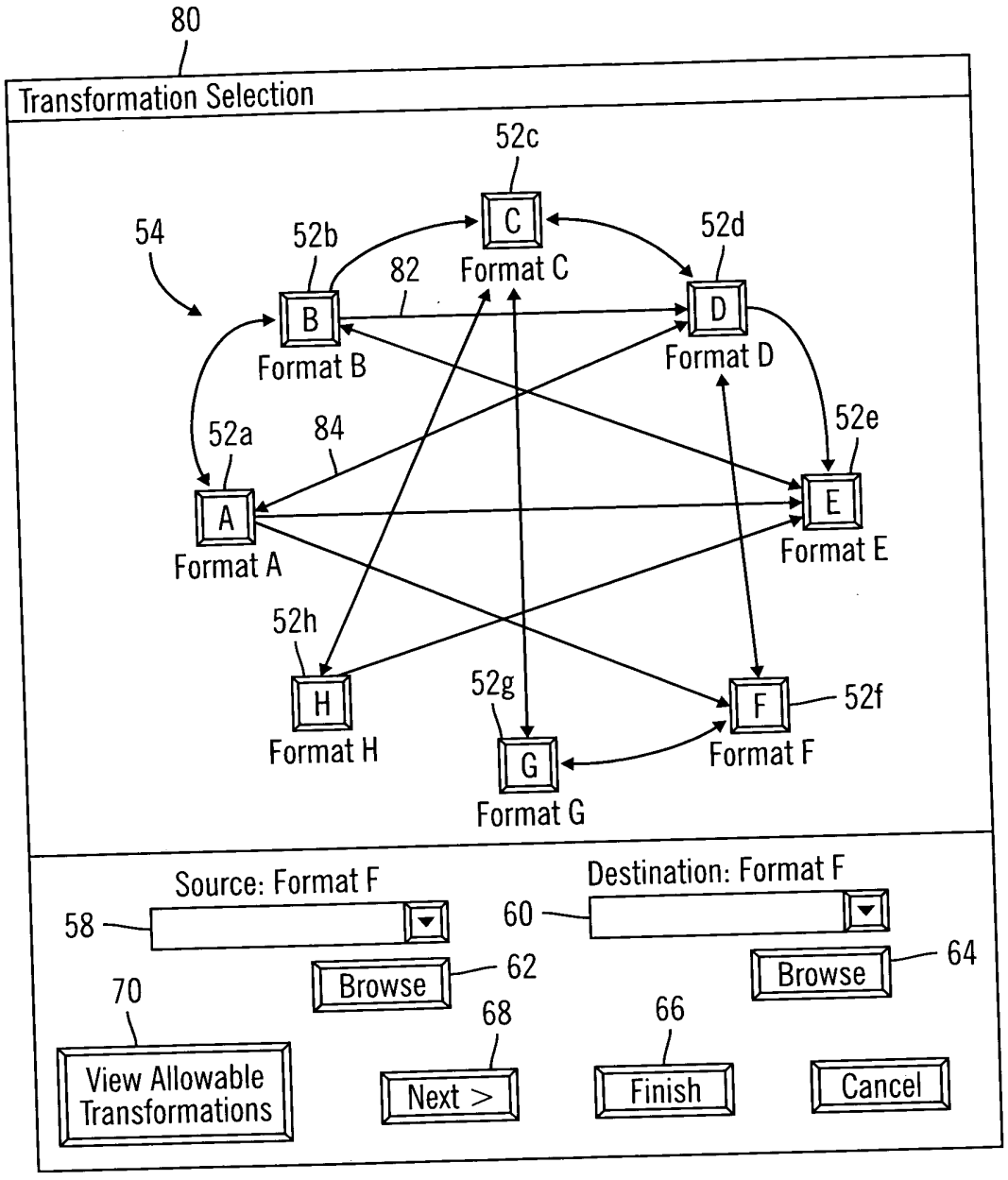
80
Transformation Selection
52c
C
Format C
54
52b
82
52d
B
Format B
D
Format D
52a
84
52e
A
Format A
E
Format E
52h
H
Format H
52g
G
Format G
F
52f
Format F
Source: Format F
58
Destination: Format F
60
Browse
62
Browse
64
70
68
66
View Allowable Transformations
Next >
Finish
Cancel

FIG. 4

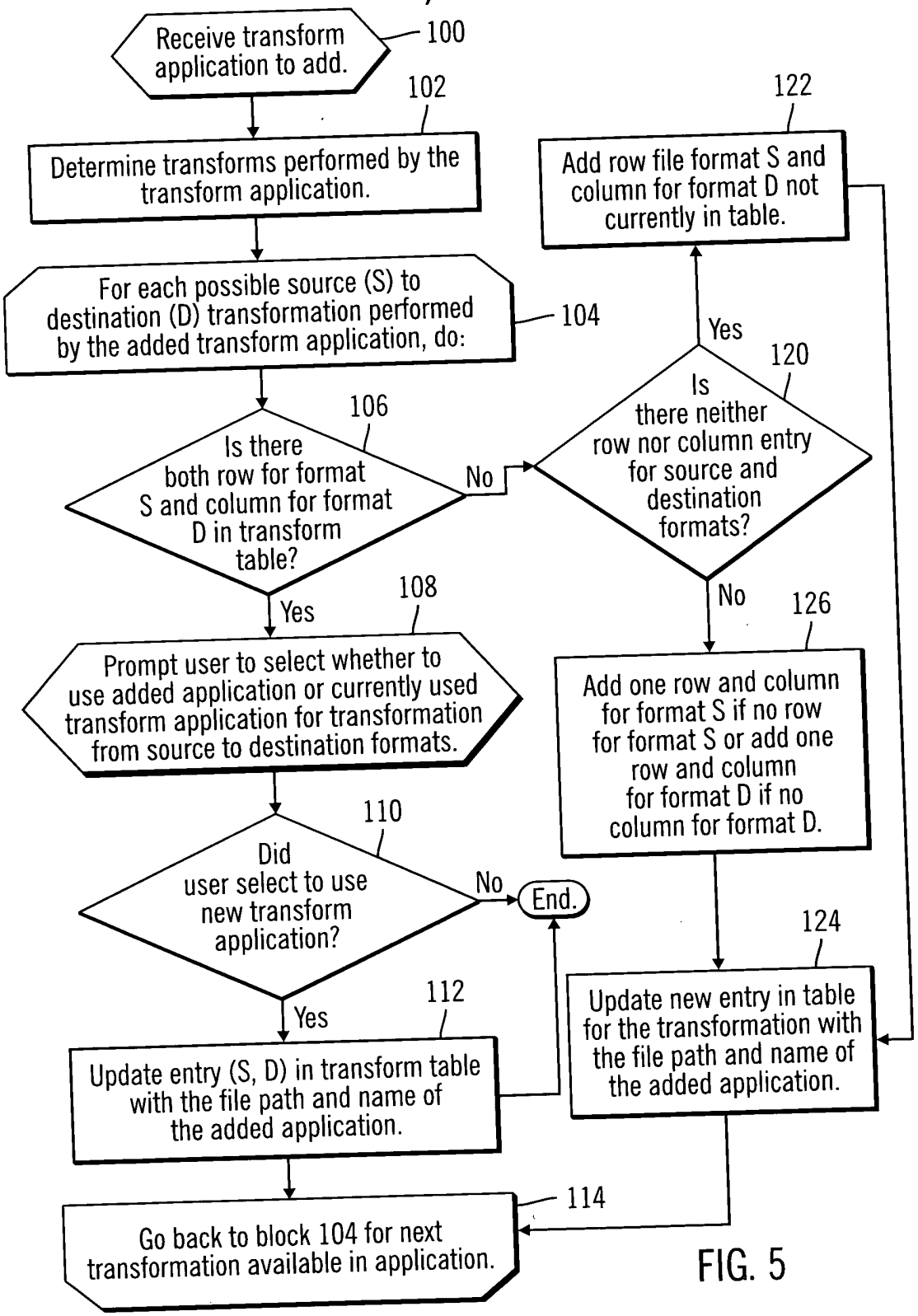
Receive transform application to add.
100
Determine transforms performed by the transform application.
102
For each possible source (S) to destination (D) transformation performed by the added transform application, do:
104
Is there both row for format S and column for format D in transform table?
106
No
Yes
Is there neither row nor column entry for source and destination formats?
120
Yes
No
Add row file format S and column for format D not currently in table.
122
Add one row and column for format S if no row for format S or add one row and column for format D if no column for format D.
126
Prompt user to select whether to use added application or currently used transform application for transformation from source to destination formats.
108
Did user select to use new transform application?
110
No
End.
Yes
Update entry (S, D) in transform table with the file path and name of the added application.
112
Update new entry in table for the transformation with the file path and name of the added application.
124
Go back to block 104 for next transformation available in application.
114

FIG. 5

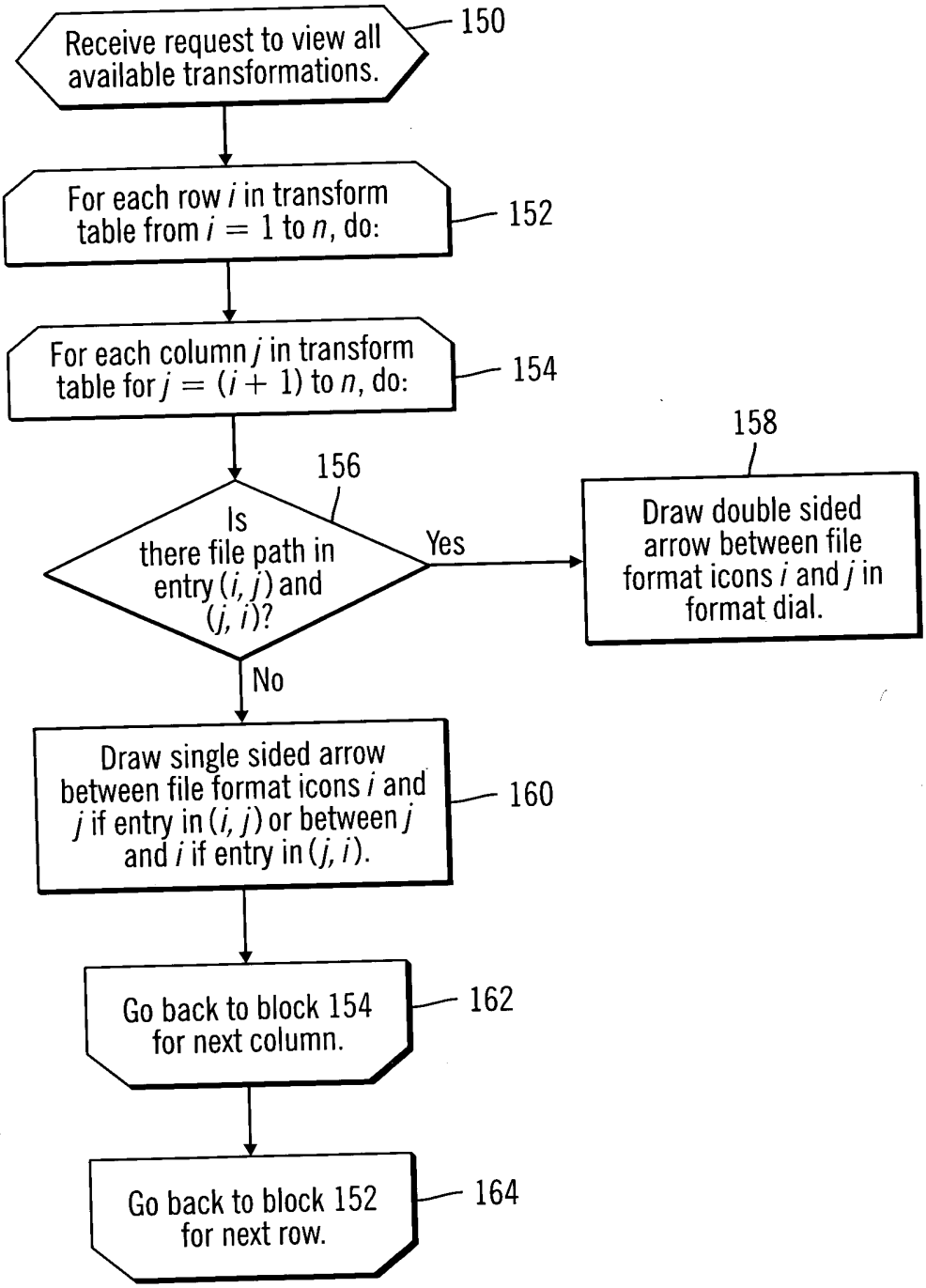
Receive request to view all available transformations.
150
For each row i in transform table from i = 1 to n, do:
152
For each column j in transform table for j = (i + 1) to n, do:
154
156
Is there file path in entry (i, j) and (j, i)?
Yes
158
Draw double sided arrow between file format icons i and j in format dial.
No
Draw single sided arrow between file format icons i and j if entry in (i, j) or between j and i if entry in (j, i).
160
Go back to block 154 for next column.
162
Go back to block 152 for next row.
164

FIG. 6

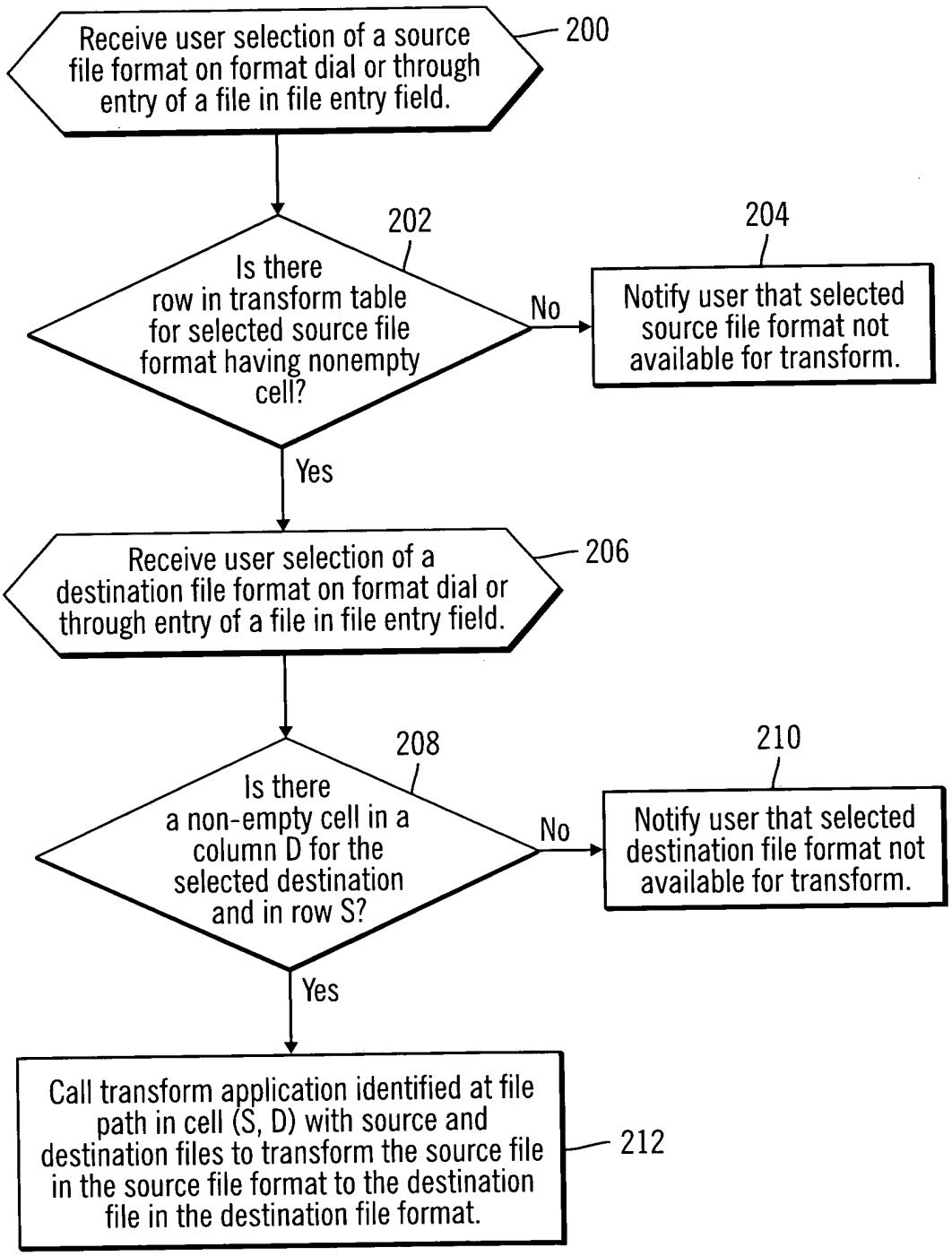
Receive user selection of a source file format on format dial or through entry of a file in file entry field.
200
Is there row in transform table for selected source file format having nonempty cell?
202
No
Notify user that selected source file format not available for transform.
204
Yes
Receive user selection of a destination file format on format dial or through entry of a file in file entry field.
206
Is there a non-empty cell in a column D for the selected destination and in row S?
208
No
Notify user that selected destination file format not available for transform.
210
Yes
Call transform application identified at file path in cell (S, D) with source and destination files to transform the source file in the source file format to the destination file in the destination file format.
212

FIG. 7

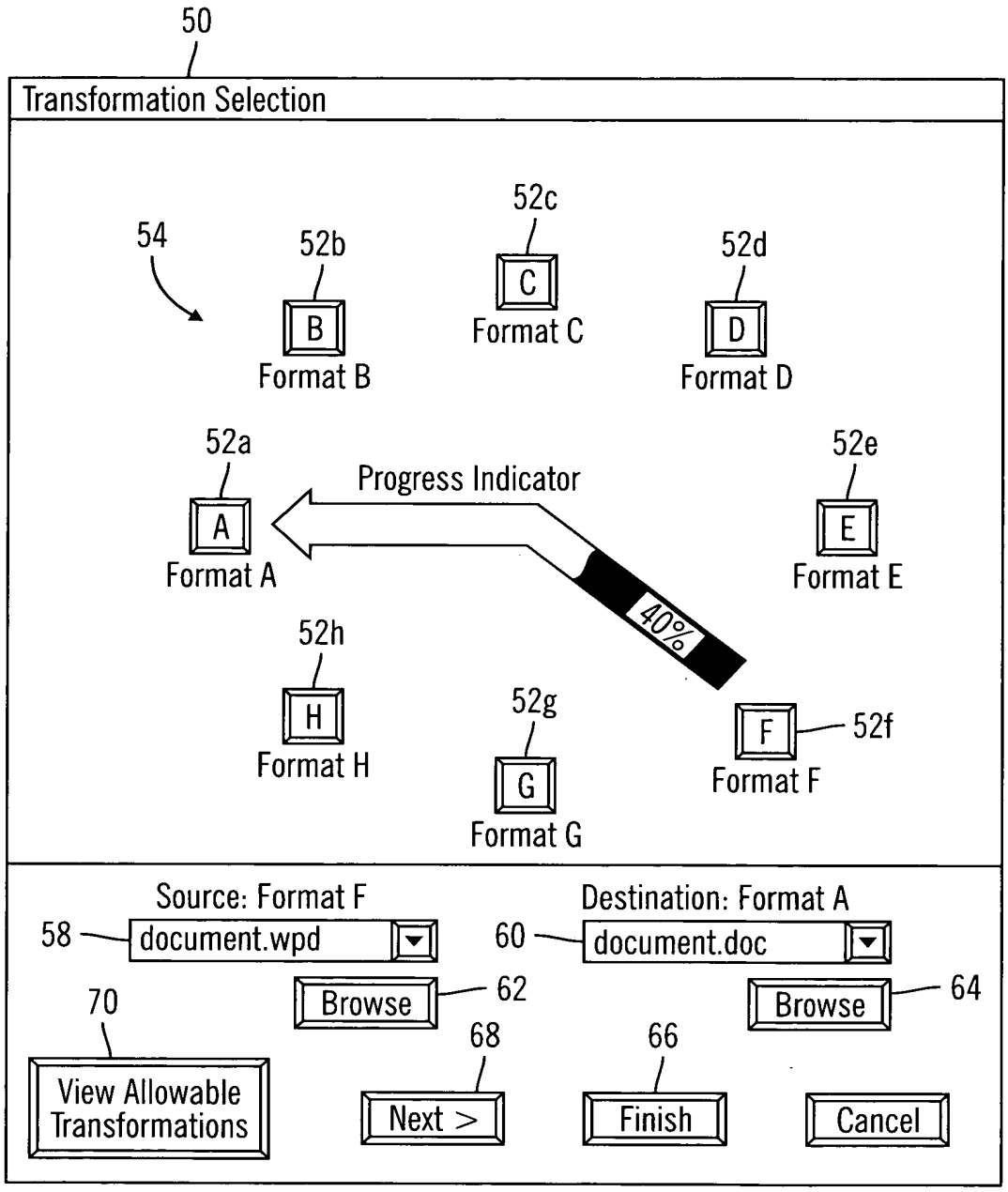
50
Transformation Selection
54
52b
B
Format B
52c
C
Format C
52d
D
Format D
52a
A
Format A
Progress Indicator
40%
52e
E
Format E
52h
H
Format H
52g
G
Format G
F
52f
Format F
Source: Format F
58
document.wpd
Browse
62
70
View Allowable Transformations
68
Next >
Destination: Format A
60
document.doc
Browse
64
66
Finish
Cancel

FIG. 8